

Table 4-4

**Analytical Samples
Site Investigation
Former Rifle Grenade Range, Parcel 221Q-X
Fort McClellan, Calhoun County, Alabama**

Parameters	Analysis Method	Sample Matrix	TAT Needed	Field Samples			QA/QC Samples ^a				EMAX
				No. of Sample Points	No. of Events	No. of Field Samples	Field Dups (10%)	MS/MSD (5%)	Trip Blank (1/ship)	Eq. Rinse (1/wk/matrix)	Total No. Analysis
Former Rifle Grenade Range, Parcel 221Q-X: 2 water matrix samples (2 surface water samples); 8 soil matrix samples (3 surface soil samples, 3 subsurface soil samples, and 2 sediment samples)											
Tot TAL Metals	6010B/7000	water	normal	2	1	2	1	1		1	6
Nitroexplosives	8330	water	normal	2	1	2	1	1		1	6
Perchlorate	314	water	normal	2	1	2	1	1		1	6
TAL Metals	6010B/7000	soil	normal	8	1	8	1	1		1	12
Nitroexplosives	8330	soil	normal	8	1	8	1	1		1	12
Perchlorate	314	soil	normal	8	1	8	1	1		1	12
TOC	9060	sediment	normal	2	1	2	0	0		0	2
Grain Size	ASTM D-421/D-420	sediment	normal	2	1	2	0	0		8	2
Subtotal:						34	6	6		14	58

^aField duplicate and MS/MSD samples were calculated as a percentage of the field samples collected per site and were rounded to the nearest whole number.

Trip blank samples will be collected in association with water matrix samples for VOC analysis only. Assumed four field samples per day to estimate trip blanks. Equipment blanks will be collected once per event whenever sampling equipment is field decontaminated and re-used. Equipment blanks will be repeated weekly for sampling events that are anticipated to last more than 1 week. Assumed 20 field samples will be collected per week to estimate number of equipment blanks.

Ship samples to: EMAX Laboratories, Inc.
630 Maple Avenue
Torrance, California 90503
Tel: 310-618-8889
Fax: 310-618-0818

MS/MSD - Matrix spike/matrix spike duplicate.
QA/QC - Quality Assurance/Quality Control.
TAL - Target analyte list.
TAT - Turn-around time.
TOC - Total organic carbon.
ASTM - American Society for Testing and Materials.